ARIZONA GAME AND FISH DEPARTMENT HABITAT PARTNERSHIP COMMITTEE HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL

	Gar	me Bran	ınch / HPC I	Project Num	ıber:	12-407	
PROJECT INFORMATION							
Project Title: Units 20C, 42, 44A, 44B Adaptive Lion Management Project							
Region and Game Management Unit: Region IV / GMUs 20C, 42, 44A, 44B							
Local Habitat Partnership Committee (LHPC • Southwest			Was the project presented to the LHPC? YES[x] NO[]				
Has this project been submitted in previous years? YES[x] NO[] If Yes, was it funded? YES[x] NO[] → Funded HPC Project #(s): 09-405							
Project Type: Adaptive Lion Management Project							
Brief Project Summary: Region 4, North Sector has begun implementing the approved 20C, 42,44A, 44B Adaptive Lion Management Plan which provides for collaring lions with GPS/satellite collars and collecting natural history data such as demographics, home range size, movement corridors, DNA based regional relatedness of individuals and most importantly prey species selection and frequency. In addition, the plan allows for the integrated management of both bighorn sheep populations and the mountain lion population within the project area. As an adaptive management plan we continually evaluate information and results to formulate modifications and changes in strategy to both meet objectives and test assumptions.							
Big Game Wildlife Species to Benefit: Bighorn Sheep and Mountain Lions							
Implementation Schedule (Month/Day/Year): Project Start Date: 2-11-12		Environmental Compliance: NEPA Completed: Yes[] No[] N/A[x] Projected Completion Date:					
Project End Date: 12-31-13		State Historic Preservation Office - Archaeological Clearance: Yes[] No[] N/A[X] Projected Completion Date: Arizona Game and Fish Department EA Checklist: Completed on 5-19-12					
PROJECT FUNDING							
Special Big Game License Tag Funds Requested			ed: \$7,000				
Cost Share or Matching Funds:			\$ 3,718				
Total Project Costs:			\$ 10,718				
PARTICIPANT INFORMATION							
Applicant (please print): Dave Conrad	Address:				E-ma	ail: nrad@azgfd.gov	
Telephone : 623-910-7872					Date	: 8-28-12	

AGFD Contact and Phone No. (If applicant is not AGFD personnel):

Project has been coordinated with:

Game Branch, Habitat Branch, ADBSS

NEED STATEMENT – PROBLEM ANALYSIS:

Since initial implementation of the project in June of 2010 and the beginning of field work in February of 2012 the following is an itemized accounting of expenditures from the tag fund monies;

INITIAL TAG FUND	\$27,800
NORTHSTAR (gps collars, trap alarms, collar and trap alarm repair and program	ming,
data transmission airtime, battery replacement)	\$19,800
SIRTRACK (website and data charges)	\$2,695
VETERINARY (capture drugs, medical supplies)	\$549
MISC. EQUIPMENT (electronic calls, ear tags and pliers, snare hardware etc.)	\$562
LOWES (50% cost share with KOFA project on chest freezer)	
TAX	\$1,148
REMAINING FUNDS	\$2 633

Additional funds are required to cover ongoing expenses for airtime/data transmission coverage, equipment repair and misc. equipment/hardware purchases. This funding request covers the period through 12-31-13.

PROJECT OBJECTIVES:

Region 4, North Sector has begun implementing the approved 20C, 42,44A, 44B Adaptive Lion Management Plan which provides for collaring lions with GPS/satellite collars and collecting natural history data such as demographics, home range size, movement corridors, DNA based regional relatedness of individuals and most importantly prey species selection and frequency. In addition, the plan allows for the integrated management of both bighorn sheep populations and the mountain lion population within the project area. As an adaptive management plan we continually evaluate information and results to formulate modifications and changes in strategy to both meet objectives and test assumptions.

PROJECT DESCRIPTION AND STRATEGIES:

Bighorn sheep populations within the project area were divided into herd management areas (HMA) and population objectives were established for each HMA based on amount and quality of habitat. Based on where an individual HMA population is in relation to its objective determined how many sheep an individual lion is allowed to kill before the lion is lethally removed. Since field work began in February 2012, 6 lions have been captured and 5 are currently collared. The number of lions that have been captured by mountain ranges is as follows;

Vulture Mountains – 1, Black Mountains – 1, Harcuvar Mountains – 3, Harquahala Mountains – 1

In addition to the existing snaring regime we've used, a large-scale lion snaring effort will be attempted through the use of existing trap alarms and volunteer snare monitoring. These efforts may occur from March 1 - April 30, for a 20 day period, over the entire project area.

PROJECT LOCATION:

See attached map

LAND OWNERSHIP AT THE PROJECT SITE(S):

(if the project area is <u>private property</u>, please state specifically and provide the landowner's name)

BLM, State Lands, Private Lands
 IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or
 LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?
 YES[] NO[] N/A[x]

HABITAT DESCRIPTION:

Chaparral, Sonoran Desert Scrub (Upper and Lower Division). Basin and range area of Arizona with large mountains, cliffs, mesas and bajadas trending into alluvial valley bottoms.

ITEMIZED USE OF FUNDS:

Special Big Game License Tag Funds

Airtime and data transmission coverage, misc. equipment and supplies, equipment repair..\$7,000

Cost Share or Matching Funds

Volunteer time on snaring effort 10 people for 20 days	\$2,828
Volunteer mileage 20 man days @ 100 miles/day average @ \$.445/mile	*
Total Match.	\$3.718

LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:

ADBSS

WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?

YES[] NO[] N/A[x]

PROJECT MONITORING PLAN:

Annual Report

PROJECT MAINTENANCE:

Region 4

PROJECT COMPLETION REPORT TO BE FILED BY:

Dave Conrad (Annual Report)